



Loctite Corporation
Automotive Group

765-1230

4450 Cranwood Court
Cleveland, Ohio 44128

(216) 475-3600
Toll Free: 1-800-321-9188
Telex: 6873201 Loctitw

DICK DOTSON

MATERIAL SAFETY DATA SHEET

DATE: 9/24/86
PAGE: 1

* ATTN: SAFETY SUPERVISOR

I. PRODUCT IDENTIFICATION

PRODUCT NAME: PERMATEX(R) GASKET REMOVER ✓
PART NO.: 4MA
765-1230
UPC CODE: (79340)- 80646
PRODUCT TYPE: AEROSOL CLEANER

II. COMPOSITION

| INGREDIENTS | % BY WT. | HAZARD |
|------------------------------|----------|--------------------|
| METHYLENE CHLORIDE | 60-65 | TLV = 100 PPM * |
| ISOPROPYL ALCOHOL | 10-15 | TLV = 400 PPM ** |
| XYLENE | 5-10 | TLV = 100 PPM *** |
| MINERAL SPIRITS | <5 | TLV = 500 PPM **** |
| PROPANE ISOBUTANE PROPELLANT | 10-15 | TLV = 1000 PPM |
| ADDITIVES | 5-10 | |

* METHYLENE CHLORIDE IS AN EYE IRRITANT. IT IS MODERATELY TOXIC BY INGESTION AND INHALATION. IT HAS BEEN SHOWN TO CAUSE TUMORS AND REPRODUCTIVE EFFECTS IN EXPERIMENTAL ANIMALS ON PROLONGED INHALATION. IT ALSO HAS BEEN SHOWN TO CAUSE MUTATION EFFECTS IN EXPERIMENTAL ANIMALS.

** OVEREXPOSURE TO ISOPROPYL ALCOHOL VAPOR MAY IRRITATE EYES, NOSE AND THROAT. LIQUID ISOPROPYL ALCOHOL IS AN EYE IRRITANT AND IS MODERATELY TOXIC BY INGESTION.

*** XYLENE IS MODERATELY TOXIC BY INHALATION AND INGESTION. ITS VAPORS ARE IRRITATION TO THE EYES ABOVE 200 PPM. XYLENE HAS BEEN SHOWN TO CAUSE REPRODUCTIVE EFFECTS IN EXPERIMENTAL ANIMALS WHEN INHALED FOR PROLONGED PERIODS. IT ALSO HAS BEEN SHOWN TO CAUSE MUTATION EFFECTS IN EXPERIMENTAL ANIMALS.

**** LIQUID MINERAL SPIRITS ARE MODERATELY IRRITATING TO THE EYES. THEY ALSO ARE TOXIC BY INHALATION AND INGESTION. IT IS OUR BEST TECHNICAL JUDGEMENT THAT WITH PROPER PRECAUTIONS, NORMAL USE OF THIS PRODUCT POSES NO SUCH HAZARDS.

III. CHEMICAL AND PHYSICAL PROPERTIES

VAPOR PRESSURE: NOT AVAILABLE
DENSITY: HEAVIER THAN AIR
SOLUBILITY IN WATER: INSOLUBLE
APPEARANCE: CLEAR LIQUID SPRAY

SPECIFIC GRAVITY: NOT AVAILABLE
BOILING POINT: PROPELLANT-BELOW 0 DEG F
PH: DOES NOT APPLY
ODOR: MILD



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765-1230
2 of 3
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IV. TOXICITY AND HEALTH HAZARD DATA

TOXICITY:
IRRITANT
TOXIC BY INGESTION

TLV: NOT DETERMINED-SEE SECTION II
SYMPTOMS OF OVEREXPOSURE:
MAY CAUSE IRRITATION TO SKIN AND UPPER RESPIRATORY TRACT. MAY CAUSE
HEADACHE, NAUSEA, DIZZINESS. VAPORS IN HIGH CONCENTRATION ARE
ANESTHETIC.

EMERGENCY TREATMENT PROCEDURES:

INGESTION:
DO NOT INDUCE VOMITING. CALL PHYSICIAN IMMEDIATELY.

INHALATION:
REMOVE TO FRESH AIR.

SKIN CONTACT:
WASH WITH SOAP AND WATER.

EYE CONTACT:
FLUSH WITH WATER FOR 15 MINUTES. OBTAIN MEDICAL ATTENTION.

PERSONAL PROTECTION:

EYES:
SAFETY GLASSES FOR PROLONGED USE IN CONFINED AREA.

SKIN:
GLOVES RECOMMENDED FOR PROLONGED OR REPEATED CONTACT.

VENTILATION:
PROVIDE ADEQUATE VENTILATION TO MAINTAIN VAPOR CONCENTRATION BELOW TLV

V. FLAMMABILITY AND EXPLOSIVE PROPERTIES

FLASH POINT: PROPELLANT-BELOW 20 DEG F METHOD: T.C.C.
EXPLOSIVE LIMITS(% BY VOLUME IN AIR) LOWER: UNK % UPPER: UNK %
RECOMMENDED EXTINGUISHING AGENTS: CO2, FOAM, DRY CHEMICAL
HAZARDOUS PRODUCTS FORMED BY FIRE OR THERMAL DECOMPOSITION:
OXIDES OF CARBON, HYDROGEN CHLORIDE
UNUSUAL FIRE OR EXPLOSION HAZARDS:
DO NOT SPRAY NEAR OPEN FLAME. EXPOSURE TO SUNLIGHT MAY CAUSE BURSTING.
COMPRESSED GASES:
NAME: PROPANE ISOBUTANE
PRESSURE AT ROOM TEMPERATURE: 52 PSIG



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3 of 3
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PAGE:

VI. REACTIVITY DATA

STABILITY:

|X| STABLE

| | UNSTABLE

HAZARDOUS POLYMERIZATION:

| | MAY OCCUR

|X| MAY NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS(NON-THERMAL):
NONE KNOWN

INCOMPATABILITY:

DO NOT STORE ABOVE 120 DEG F

VII. SPILL OR LEAK AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE OF SPILL OR LEAK:
REMOVE SOURCES OF IGNITION. VENTILATE AREA WELL. REMOVE RESIDUE WITH
INERT ABSORBENT.

RECOMMENDED METHODS OF DISPOSAL:
DO NOT INCINERATE. DISPOSE FOLLOWING EPA AND LOCAL REGULATIONS FOR
DISPOSAL OF PRESSURIZED CONTAINERS.

VIII. STORAGE AND HANDLING PROCEDURES

STORAGE:

DO NOT STORE ABOVE 120 DEG F. DO NOT EXPOSE TO DIRECT SUNLIGHT

HANDLING:

DO NOT PUNCTURE. DO NOT SPRAY NEAR FIRE OR OPEN FLAME.

IX. SHIPPING REGULATIONS

TYPE OR CLASS DOT: ORM-D
 IATA: CLASS 2 SUBSIDIARY RISH 61
PROPER SHIPPING NAME
 DOT: CONSUMER COMMODITY
 IATA: AEROSOL, FLAMABLE, NOS UN1593

PREPARED BY: ROBERT CARTER

TITLE: DIRECTOR, CONSUMER AND TECHNICAL

DATE: 11/01/85

SUPERSEDES: NEW ISSUE

228